

CLAIMS

1. An apparatus for handling a minute object by using an optical tweezers, comprising:
 - a light source;
 - 5 a first base to form a hologram with light emitted from the light source; and
 - a second base that holds a liquid including a minute object,

wherein the hologram formed in the liquid on

- 10 the second base is used as an optical tweezers to handle the minute object in the liquid.

2. The apparatus according to claim 1 further comprising means for optically enlarging or reducing the optical tweezers to capture the minute object.
- 15 3. The apparatus according to claim 1, wherein a plurality of optical tweezers are formed.
4. The apparatus according to claim 1, wherein a base for forming the optical tweezers is exchangeable.
- 20 5. A method for handling a minute object by using an optical tweezers comprising the steps of:
 - forming a hologram with light emitted from a light source;
 - forming an optical tweezers of the hologram- 25 formed in a liquid including a minute object; and
- handling the minute object by using the optical tweezers.